int n = 50; 1

int r = 20; 1

int dummy = 0; 1

Console.WriteLine("Creating a nested loop"); 1

for (int i = 0; i < n; i++) n+1

{

Console.WriteLine("Inside the first loop"); n+1

dummy++; n+1

for (int j = 0; j < n; j++) n\*(n+1)

{

r = r + dummy; n\*n

Console.WriteLine("Inside the second loop " + r); n\*n

}

}

1

1

1

1

4

n+1

n+1

n+1

3n+3

n\*(n+1)

n\*n

n\*n

n\*n

= 8 + 3n + 4n squared

Discarding constant terms : 3n + 4n squared

Clearing coefficients : n + n squared

Significant term : n squared

Big(O) = O(n squared)